

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093873.D
 Acq On : 23 Mar 2017 10:24
 Operator : SJ/MA
 Sample : I2337-05 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-ESW

Quant Time: Mar 23 17:05:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

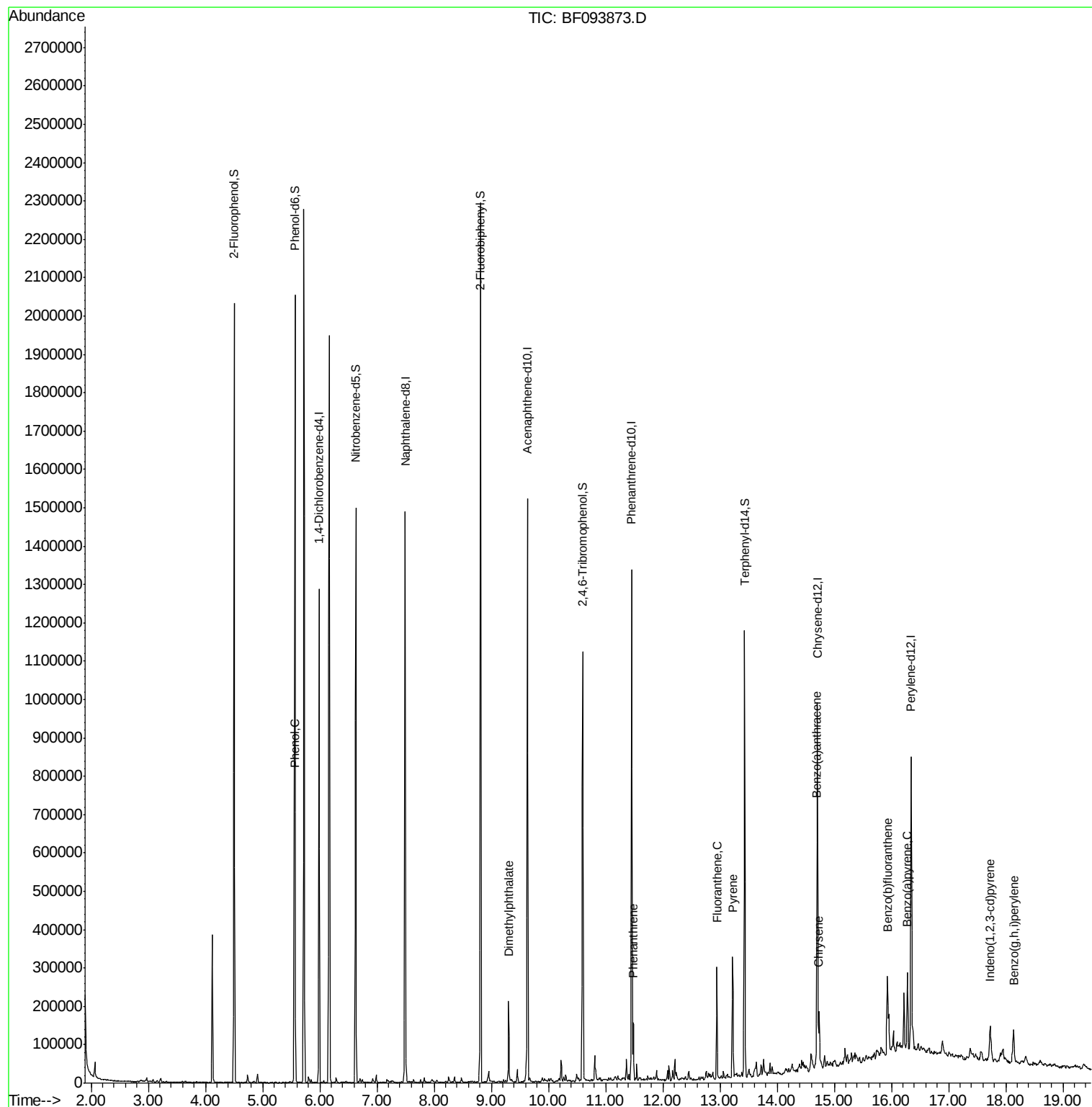
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	195282	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	760278	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	324990	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	497400	20.00	ng	0.00
75) Chrysene-d12	14.71	240	340795	20.00	ng	0.00
86) Perylene-d12	16.34	264	319027	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	576766	49.88	ng	0.00
7) Phenol-d6	5.56	99	769394	53.79	ng	0.00
23) Nitrobenzene-d5	6.63	82	514514	38.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	119329	46.47	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	770297	36.15	ng	-0.01
78) Terphenyl-d14	13.43	244	387946	25.52	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.57	94	36591	2.25	ng	89
49) Dimethylphthalate	9.30	163	83960	3.63	ng	98
70) Phenanthrene	11.49	178	59242	2.14	ng	100
74) Fluoranthene	12.94	202	121925	4.30	ng	97
77) Pyrene	13.22	202	127513	5.16	ng	99
80) Benzo(a)anthracene	14.69	228	62131	3.13	ng	94
82) Chrysene	14.74	228	65053m	3.53	ng	
85) Indeno(1,2,3-cd)pyrene	17.73	276	57531	3.60	ng	97
87) Benzo(b)fluoranthene	15.93	252	104811m	5.36	ng	
89) Benzo(a)pyrene	16.28	252	82129	4.56	ng	98
91) Benzo(g,h,i)perylene	18.14	276	58363	3.80	ng	96

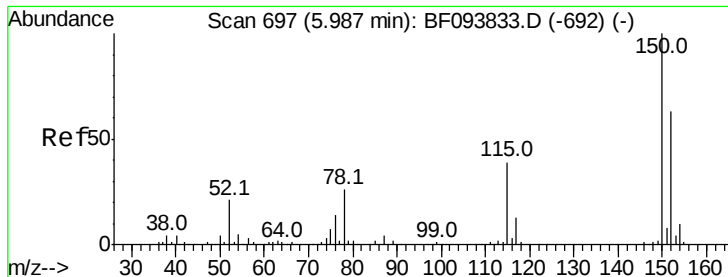
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

E2-Q14-ESW

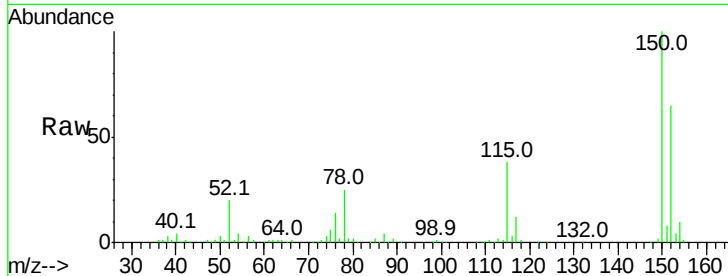
Tot Ion:152 Resp: 195282

Ion Ratio Lower Upper

152 100

150 154.9 126.2 189.2

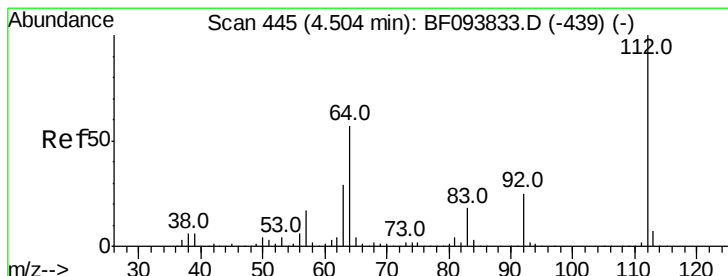
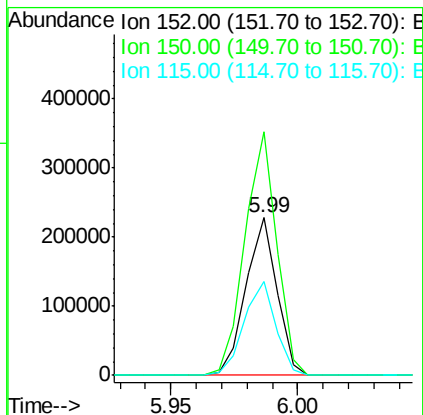
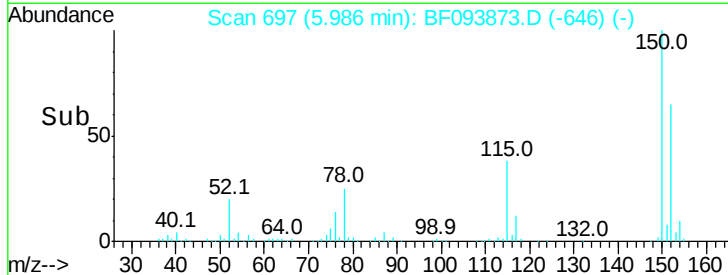
115 59.3 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 49.88 ng

RT: 4.50 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

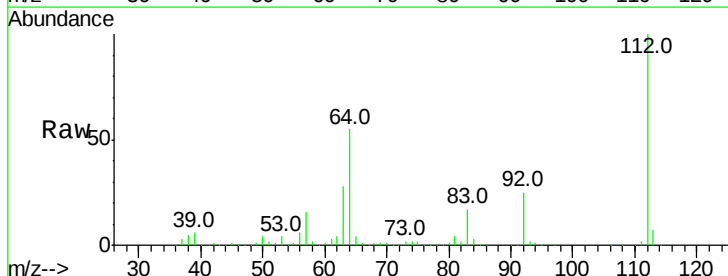
Tgt Ion:112 Resp: 576766

Ion Ratio Lower Upper

112 100

64 54.9 46.0 69.0

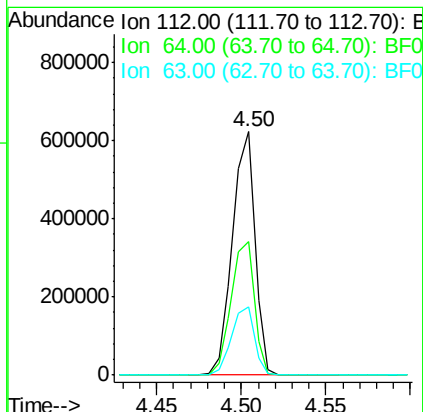
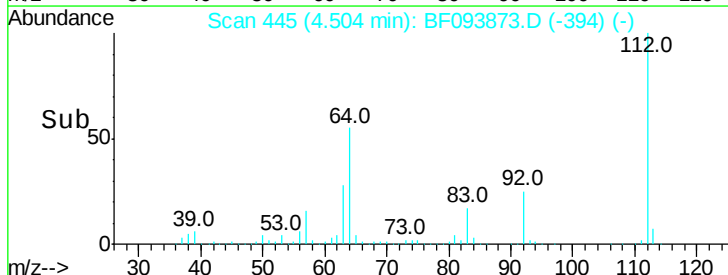
63 28.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.79 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

E2-Q14-ESW

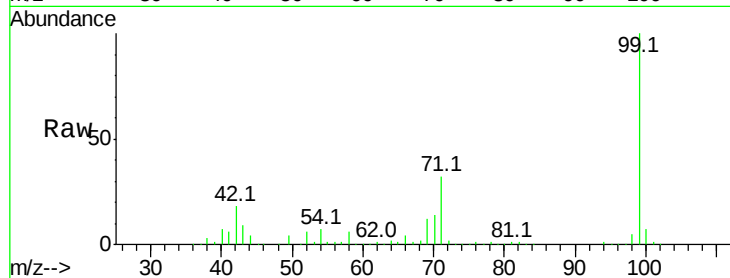
Tot Ion: 99 Resp: 769394

Ion Ratio Lower Upper

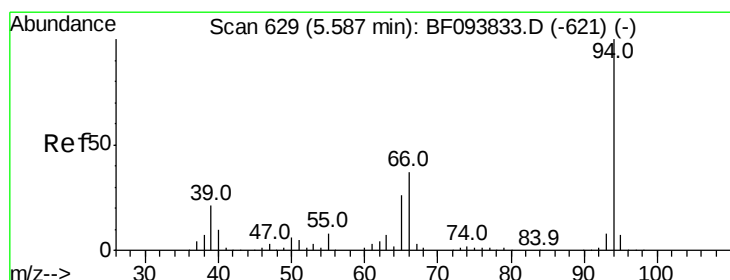
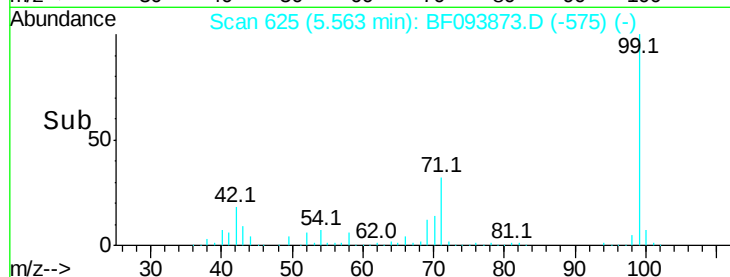
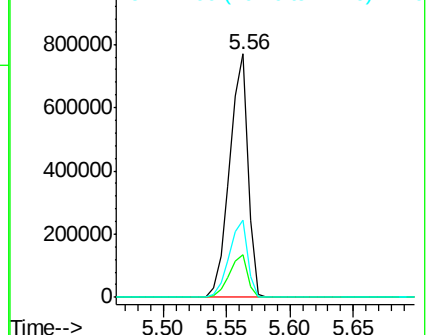
99 100

42 17.6 13.5 20.3

71 31.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.25 ng

RT: 5.57 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

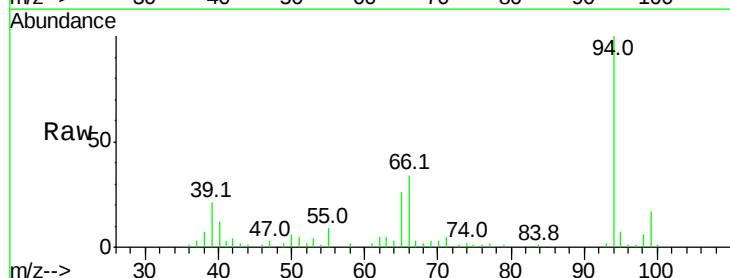
Tgt Ion: 94 Resp: 36591

Ion Ratio Lower Upper

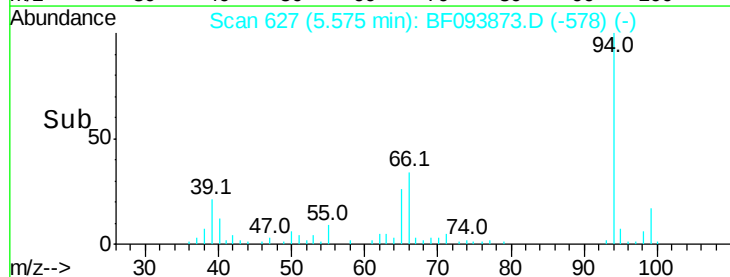
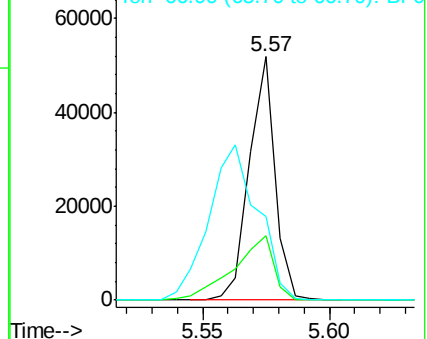
94 100

65 26.4 9.9 49.9

66 34.1 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

E2-Q14-ESW

Tot Ion:136 Resp: 760278

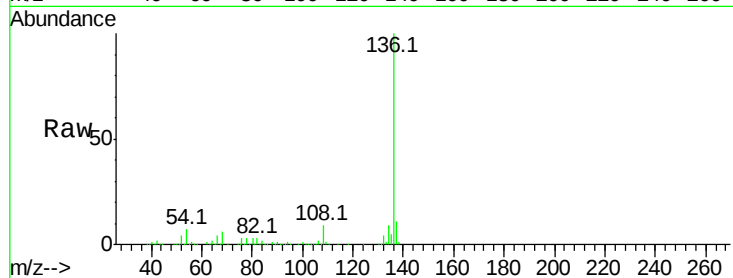
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.4 4.9 7.3#

68 5.6 4.1 6.1

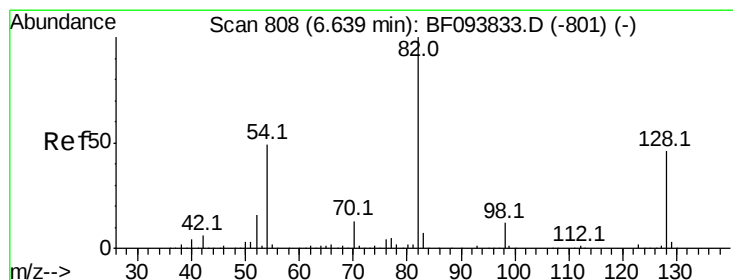
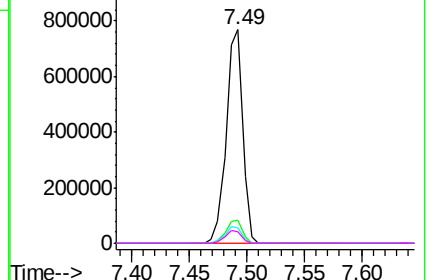
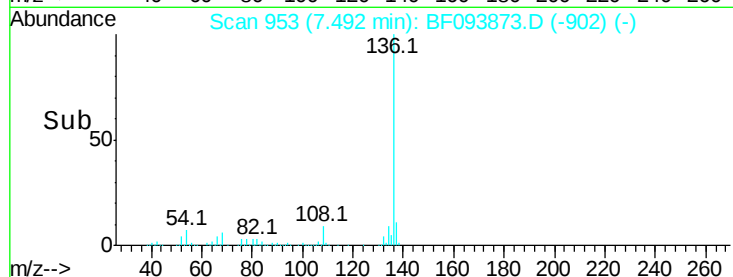


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 38.62 ng

RT: 6.63 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

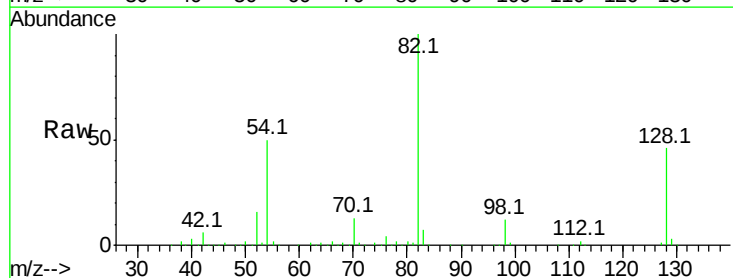
Tgt Ion: 82 Resp: 514514

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

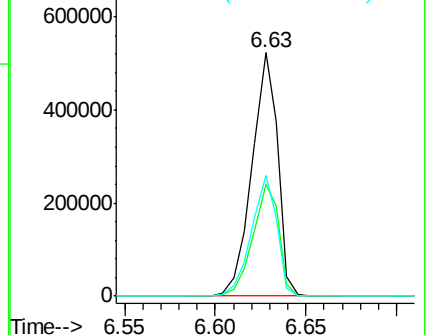
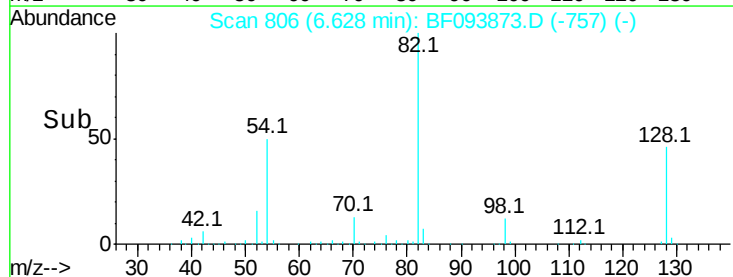
54 49.5 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

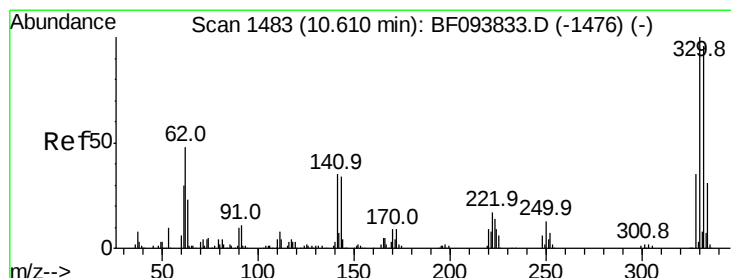
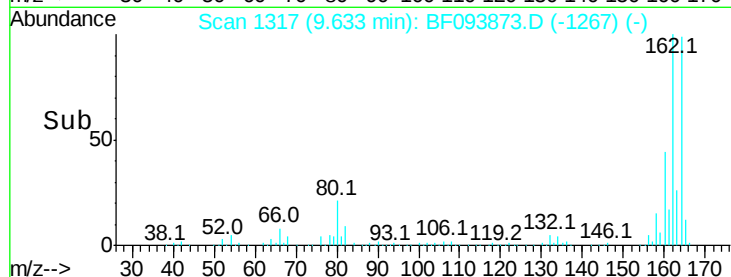
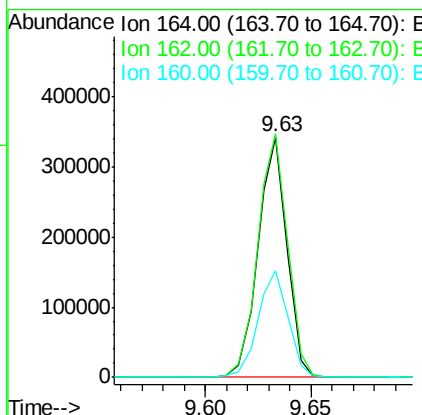
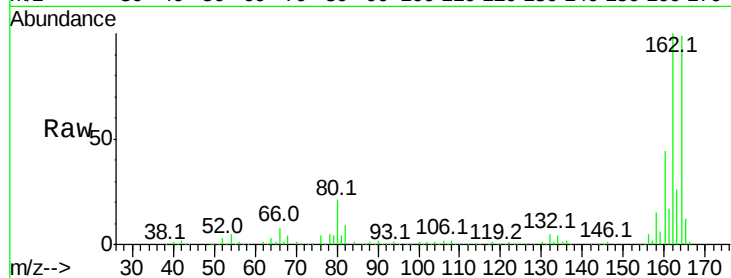




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

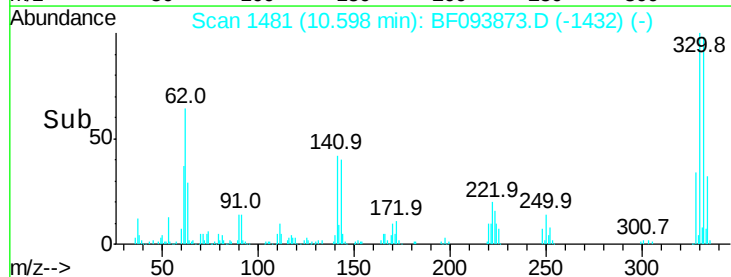
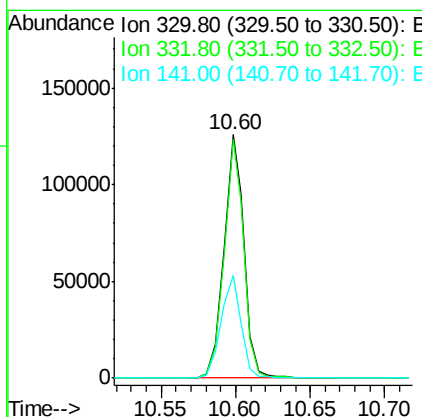
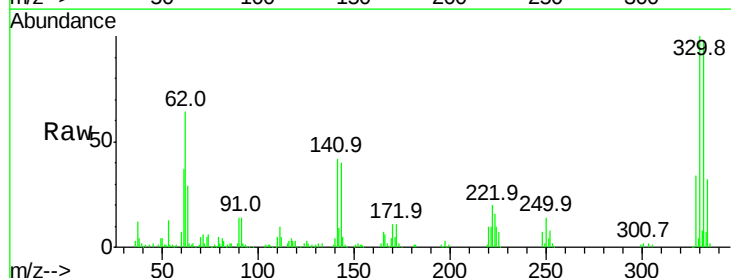
Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

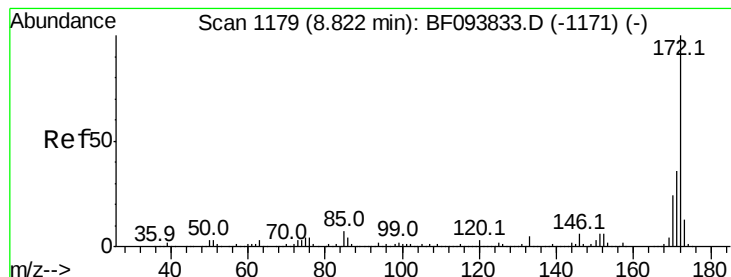
Tot Ion:164 Resp: 324990
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 44.3 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 46.47 ng
RT: 10.60 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:330 Resp: 119329
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 42.5 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 36.15 ng

RT: 8.81 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

E2-Q14-ESW

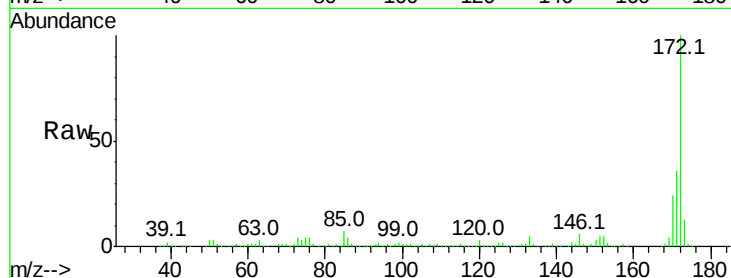
Tot Ion:172 Resp: 770297

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

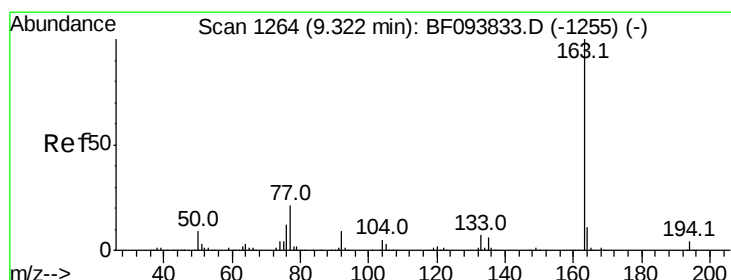
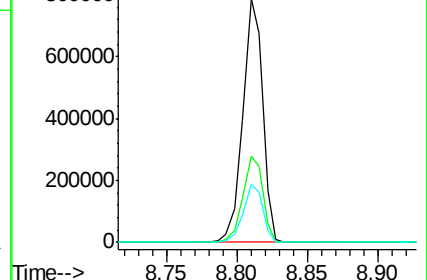
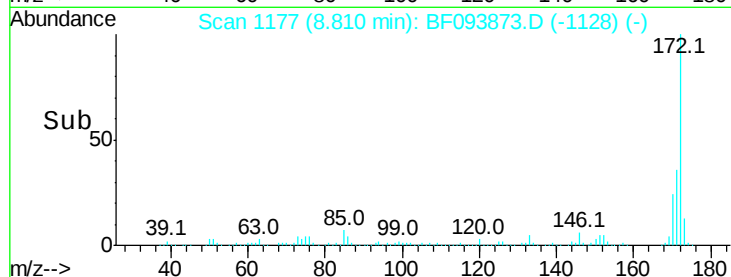
170 23.6 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 3.63 ng

RT: 9.30 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

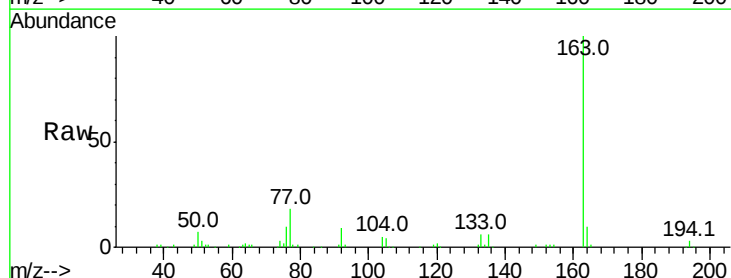
Tgt Ion:163 Resp: 83960

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

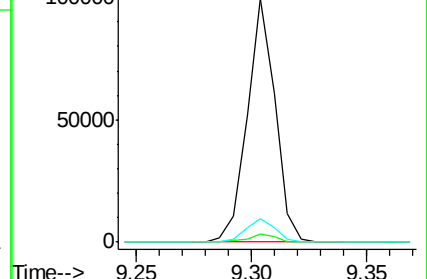
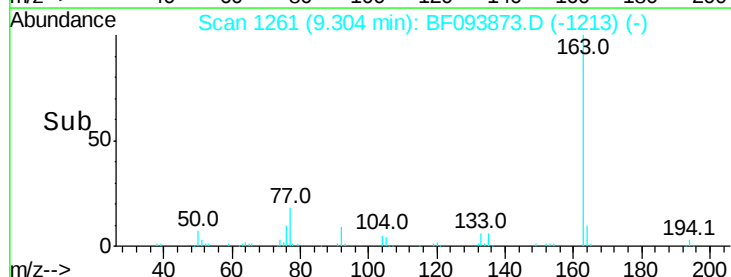
164 9.8 8.4 12.6

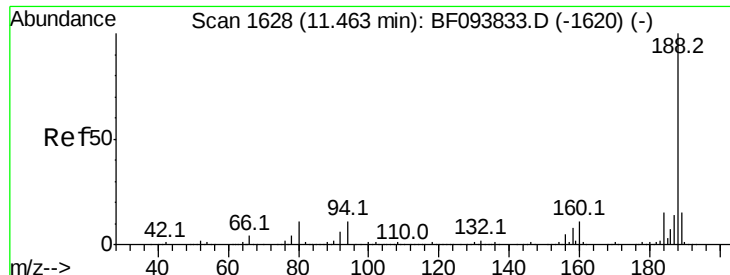


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

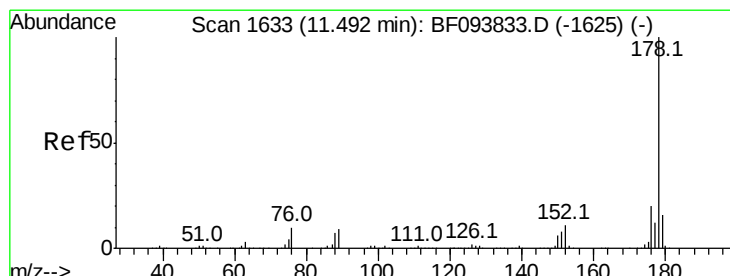
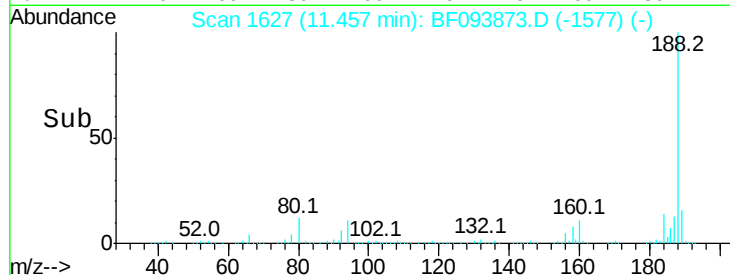
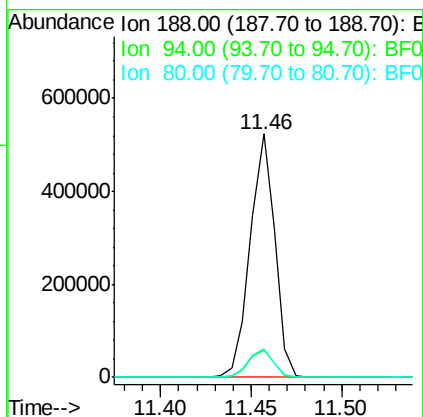
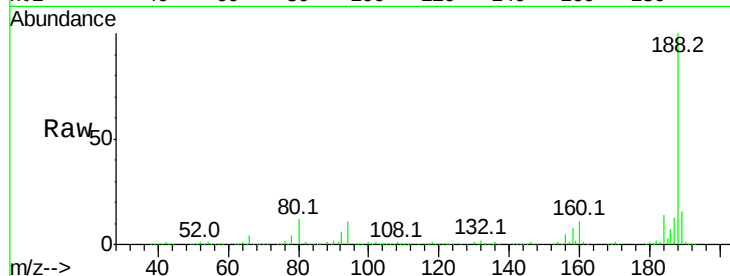




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

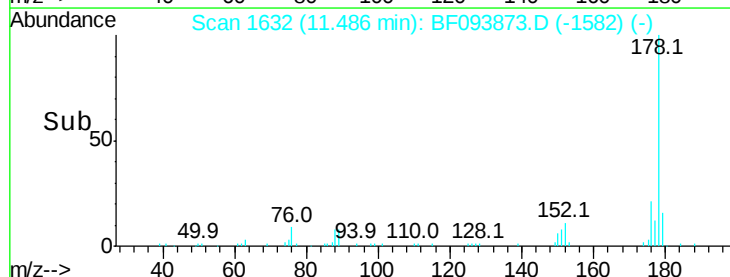
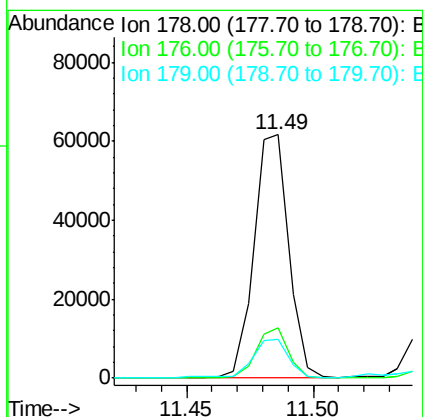
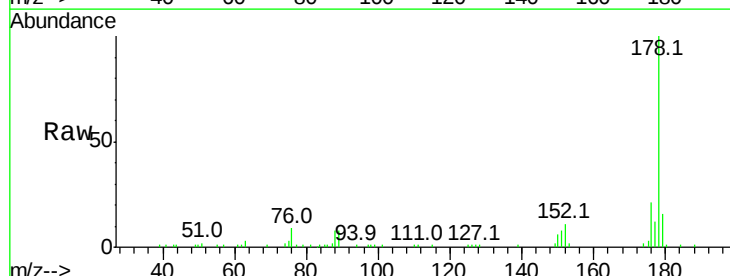
Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-ESW

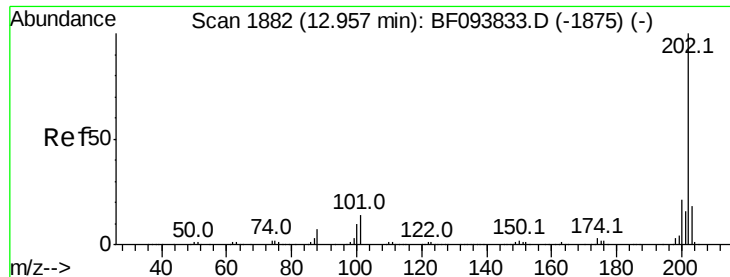
Tot Ion:188 Resp: 497400
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.6 10.2 15.2



#70
 Phenanthrene
 Concen: 2.14 ng
 RT: 11.49 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Tgt Ion:178 Resp: 59242
 Ion Ratio Lower Upper
 178 100
 176 20.6 16.2 24.4
 179 15.9 12.6 19.0

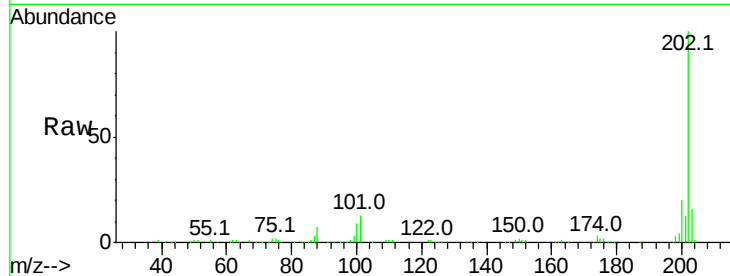




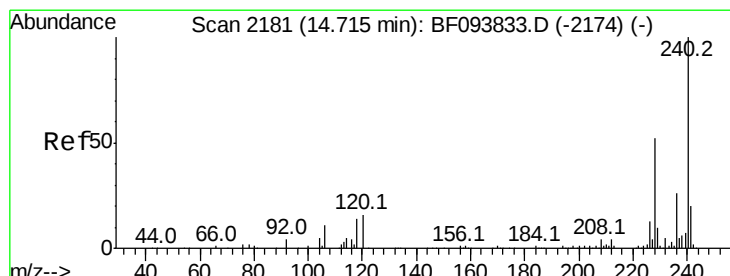
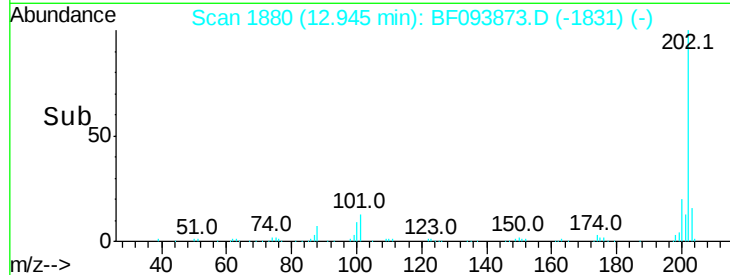
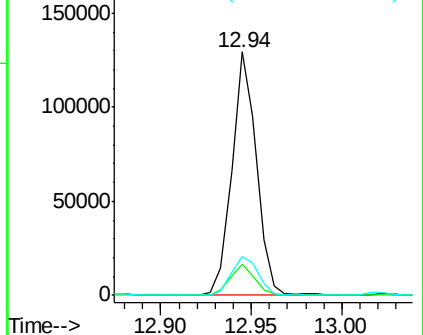
#74
Fluoranthene
 Concen: 4.30 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-ESW

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.1	0.0	38.1

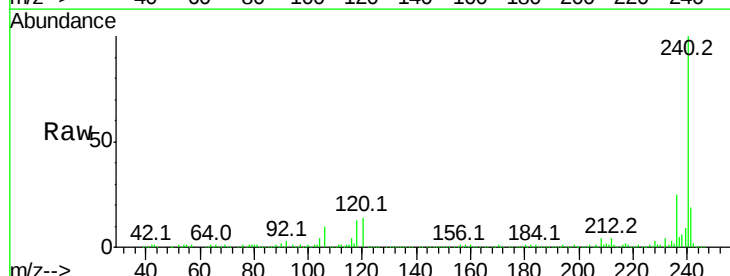


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

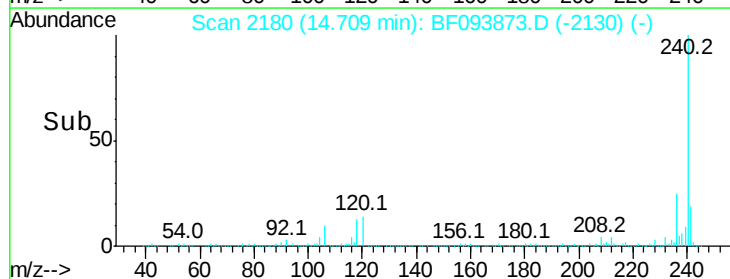
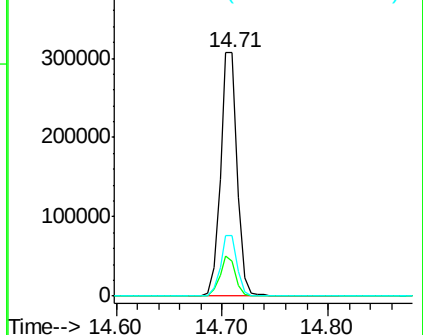


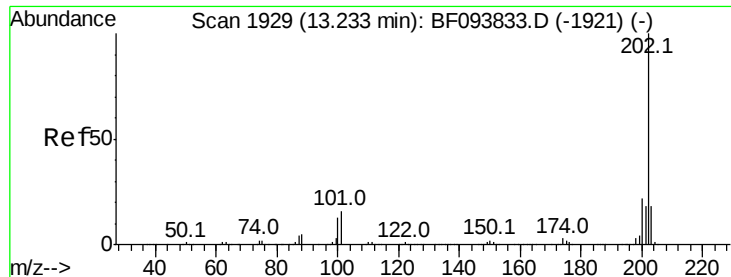
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.71 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	24.9	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

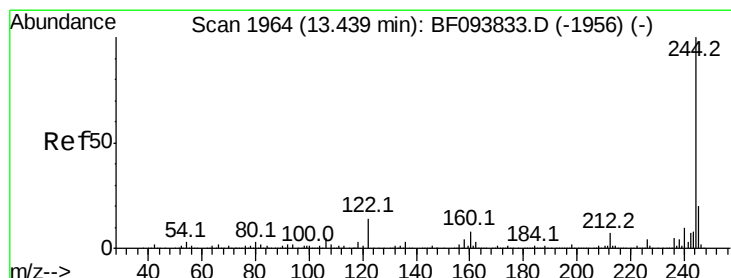
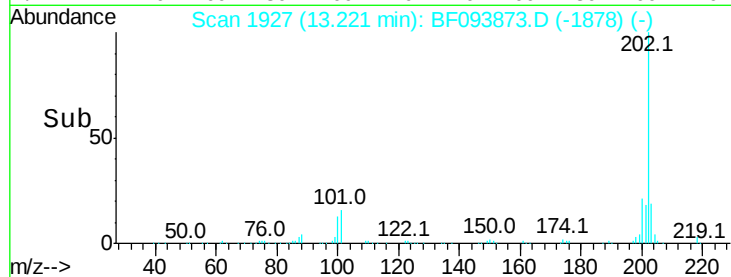
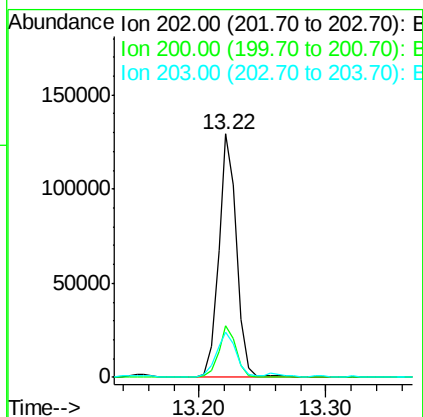
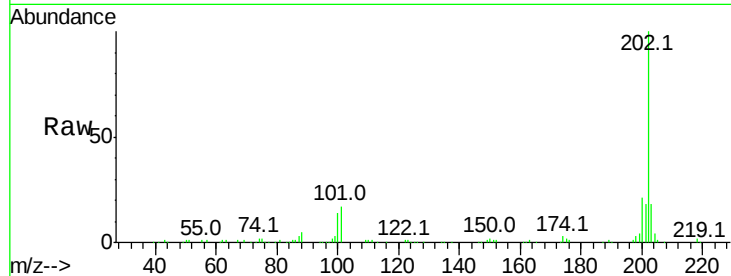




#77
Pvrene
Concen: 5.16 ng
RT: 13.22 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

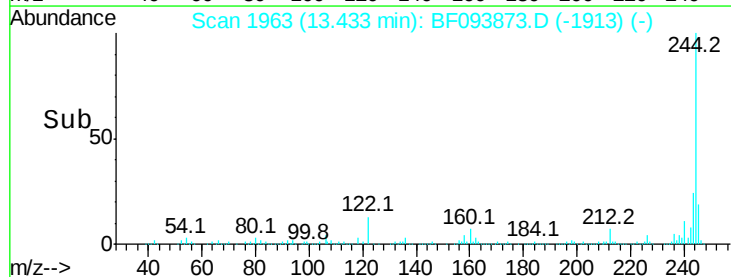
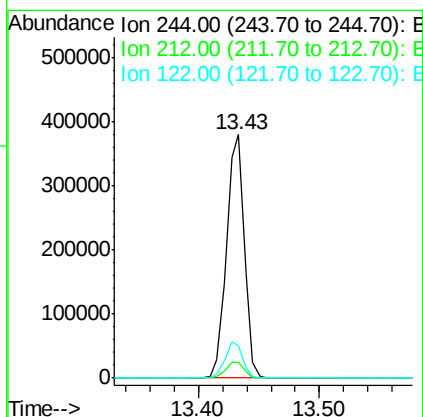
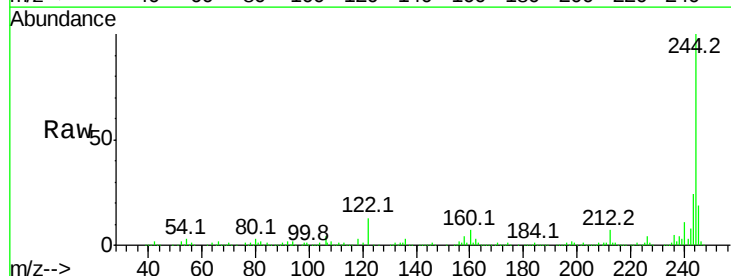
Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

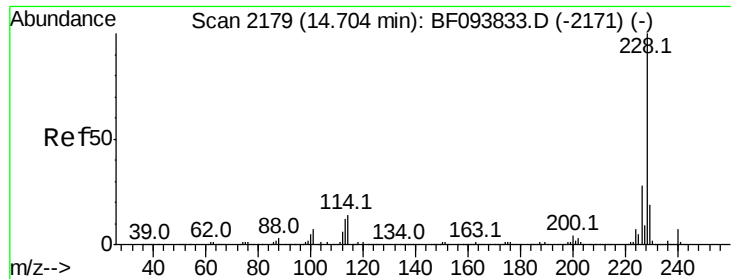
Tot Ion:202 Resp: 127513
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 18.5 14.4 21.6



#78
Terphenyl-d14
Concen: 25.52 ng
RT: 13.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:244 Resp: 387946
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 13.5 10.3 15.5

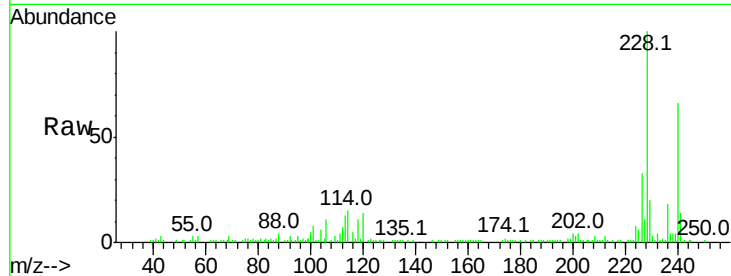




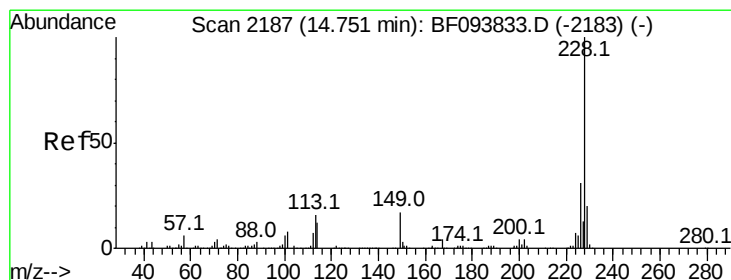
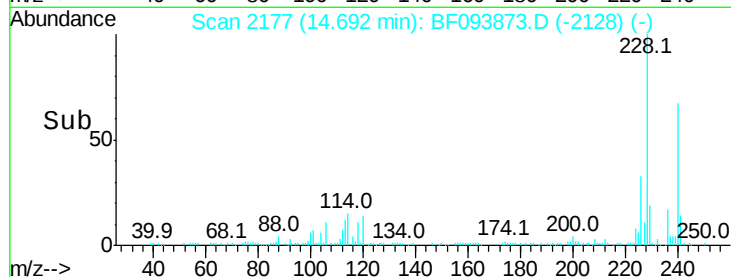
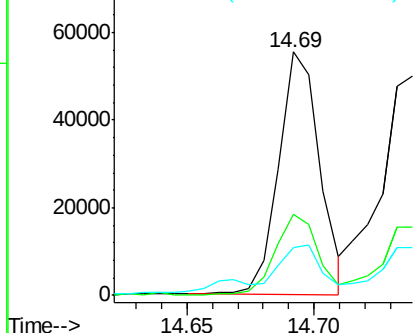
#80
Benzo(a)anthracene
Concen: 3.13 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tot Ion:228 Resp: 62131
Ion Ratio Lower Upper
228 100
226 33.4 22.6 33.8
229 19.7 16.3 24.5

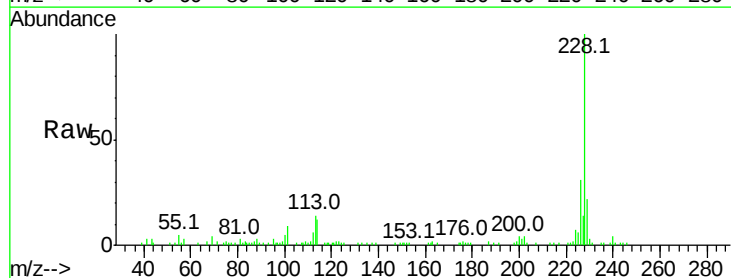


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

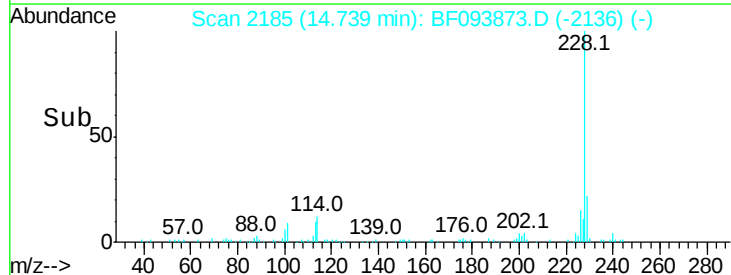
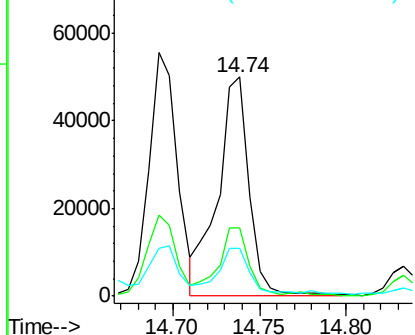


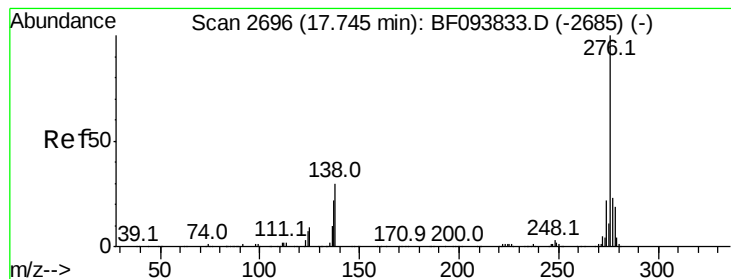
#82
Chrysene
Concen: 3.53 ng m
RT: 14.74 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:228 Resp: 65053
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 21.8 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.60 ng

RT: 17.73 min Scan# 2693

Delta R.T. -0.02 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

E2-Q14-ESW

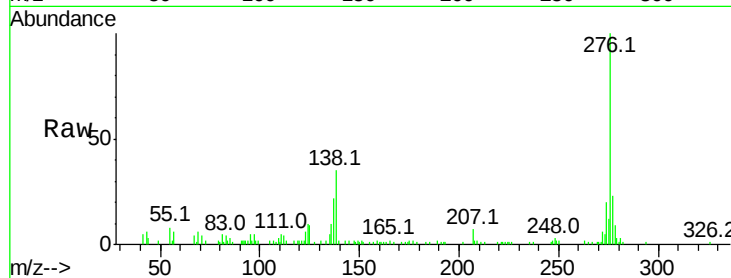
Tot Ion:276 Resp: 57531

Ion Ratio Lower Upper

276 100

138 32.7 27.8 41.6

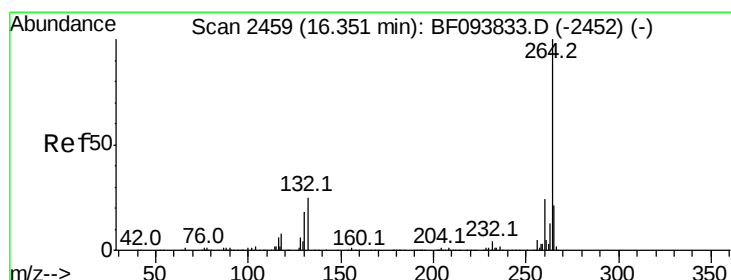
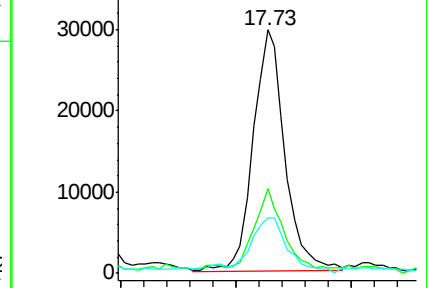
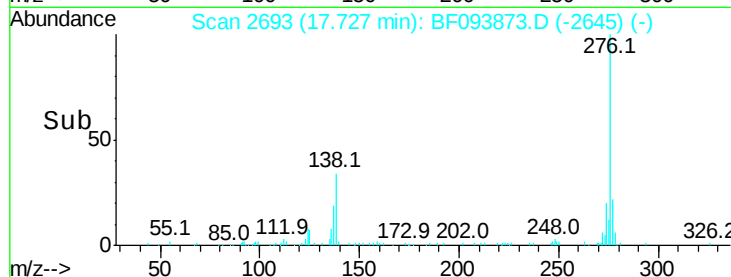
277 26.4 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.34 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

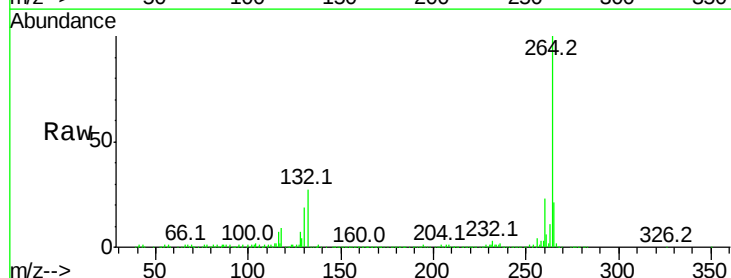
Tgt Ion:264 Resp: 319027

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

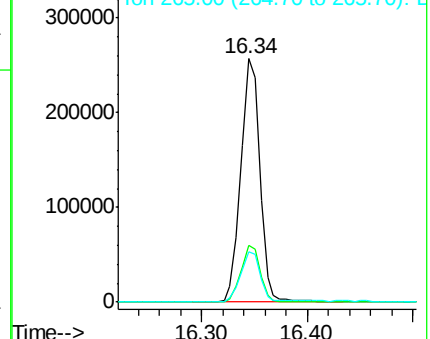
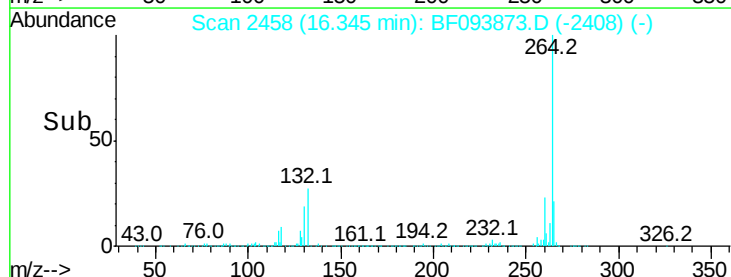
265 20.7 17.2 25.8

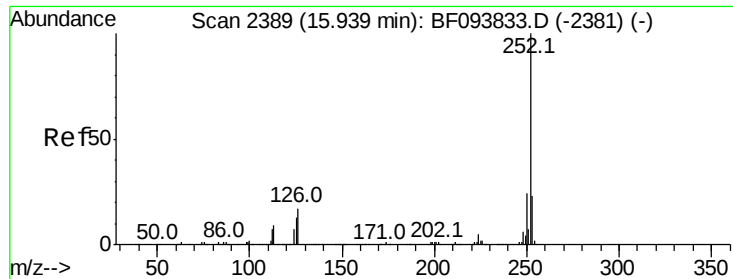


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

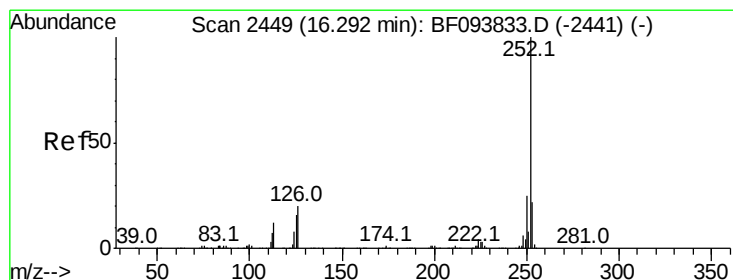
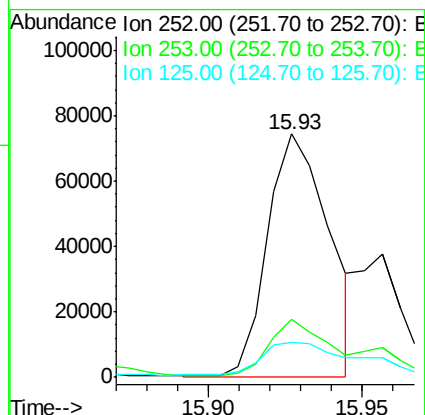
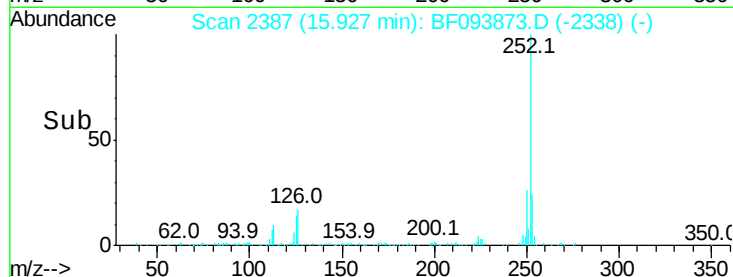
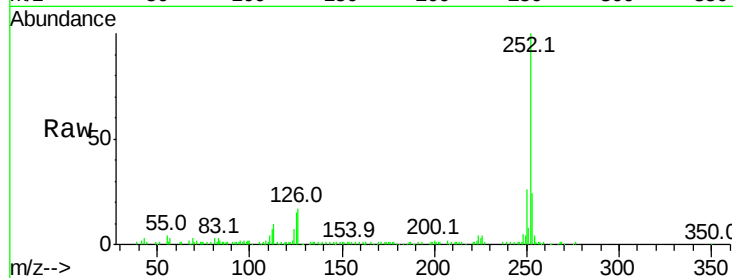




#87
Benzo(b)fluoranthene
Concen: 5.36 ng m
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

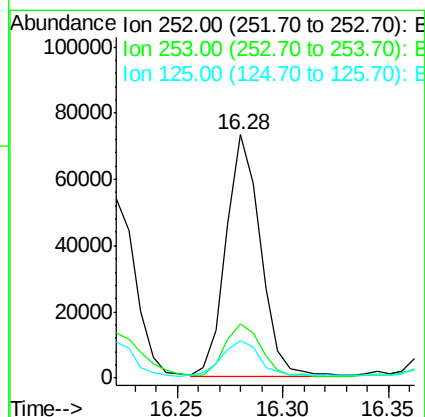
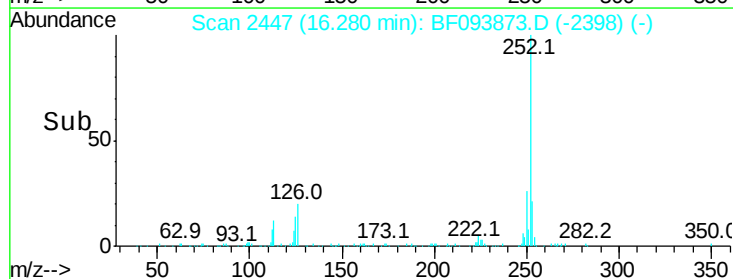
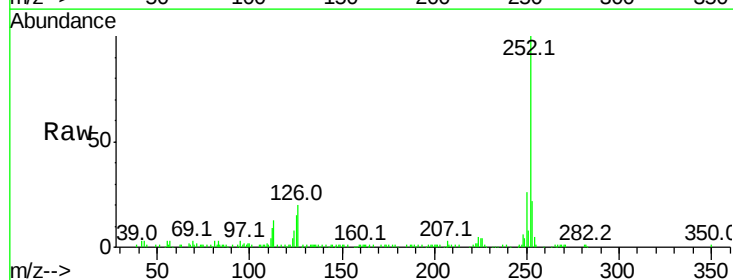
Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

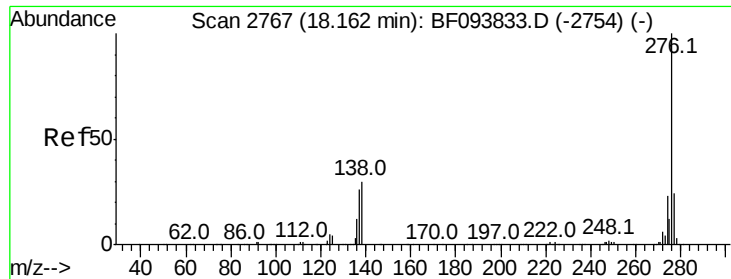
Tot Ion:252 Resp: 104811
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 14.5 9.8 14.8



#89
Benzo(a)pyrene
Concen: 4.56 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:252 Resp: 82129
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 15.4 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.80 ng

RT: 18.14 min Scan# 2763

Delta R.T. -0.02 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

E2-Q14-ESW

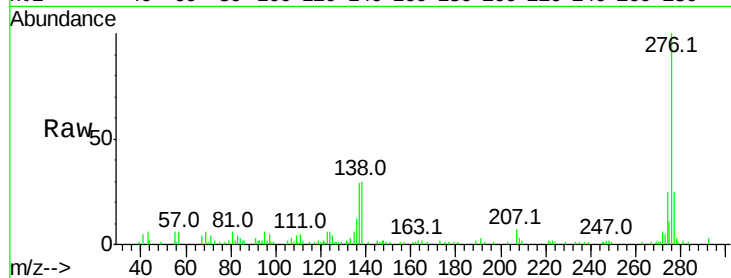
Tot Ion:276 Resp: 58363

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 29.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

